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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

PA	TENT COOPERATION TREAT	
tion	PCT	
INTERNATIO	ONAL PRELIMINARY EXAMINAT	TION REPORT
	(PCT Article 36 and Kulo 707	anof Transmitted of International Preliminary Report (Form PCT/IPEA/416)
Applicant's or agent's file reference A31324M	tional filing date (day/month/year)	Priority date (day/morth/year) 10 June 2002 (10.06.02)
31/451, 511-35,	05 June 2003 (03.00.03) national classification and IPC 31/40, 31/404, 31/4164, 31/421, 31/422, 31 31/498, 31/5375, 31/609, 31/616, A61P 3	./426, 31/437, 31/4402, 31/445, 5/00, 35/02, 35/04
Applicant DISTITION	TE OF MEDICINAL MOLECULAR I	DESIGN. INC.
2. This REPORT consists of a total amended and are the barron for amended and Section 607. These annexes consist. 3. This report contains indication in Basis of the Basis o	al of	fiption, claims and/or drawings wildin have been inicalions made before this Authority (see Rule T).
VII Certain d	efects in the international application observations on the international application	
Date of submission of the dema 05 June 20 Name and mailing address of	and 003 (05.06.03) • Authorities IPEA/IP	ompletion of this report 13 November 2003 (13.11.2003) zed officer
Facsimile No.	\ Teleph	one No.



International application No.

PCT/JP03/07121

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. Basis of the report	
. With regard to the elements of the international application:*	l
the international application as originally filed	
pages	, as originally filed , filed with the demand
pages	, filed with the demand
pages , filed with the l	etter of
the claims:	· .
	, as originally filed
pages, as amende	d (together with any statement under Article 19
pages	, 11.00
pages, filed with the	letter of
the drawings:	
pages	, as originally filed
nages	, filed with the demand
pages, filed with the	letter of
the sequence listing part of the description:	
pages	, as originally filed
nages	filed with the demand
orges detect with the	letter of
2. With regard to the language, all the elements marked above were available or function the international application was filed, unless otherwise indicated under this item. These elements were available or furnished to this Authority in the following language of a translation furnished for the purposes of international search the language of publication of the international application (under Rule 48.3 the language of the translation furnished for the purposes of international or 55.3).	ch (under Rule 23.1(b)). (b)). preliminary examination (under Rule 55.2 and/
3. With regard to any nucleotide and/or amino acid sequence disclosed in preliminary examination was carried out on the basis of the sequence listing:	the international application, the international
contained in the international application in written form.	The second secon
filed together with the international application in computer readable form.	17. 公司 19. 18. 18. 18. 18. 18. 18. 18. 18. 18. 18
furnished subsequently to this Authority in written foun.	The state of the s
1 1 complete readable form.	the disclosure in the
The statement that the subsequently furnished written sequence listing international application as filed has been furnished.	
The statement that the information recorded in computer readable form	is identical to the written sequence noting
been furnished.	
4. The amendments have resulted in the cancellation of:	
the description, pages	
the claims, Nos.	The straight seems of the second second
the drawings, sheets/fig	
This report has been established as if (some of) the amendments had not beyond the disclosure as filed, as indicated in the Supplemental Box (Rule	10.2(0)).
* Replacement sheets which have been furnished to the receiving Office in responsin this report as soldied filed and are not annexed to this report since	and the second of the second o
** Any replacement sheet containing such amendments must be referred to under its	em 1 and annexed to this report.



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II. Non-es	stablishment of opinion with regard to novelty, inventive step and industrial applicability	
l. The que	testions whether the claimed invention appears to be novel, to involve an inventive step (to be non obvially applicable have not been examined in respect of:	ious), or to be
	the entire international application.	
	claims Nos. 1- a part of 11	
because		
	the said international application, or the said claims Nes. relate to the following subject matter which does not require an international preliminary examination (speciment)	fy):
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\boxtimes	the description, claims or drawings (indicate particular elements below) or said claims Nos. 1-11 are so unclear that no meaningful opinion could be formed (specify):	
Th	he effective components of the drug compositions of the inventions of claims 1 th	rough 11
nclude :	a great variety of compounds within a very wide range, and a complete search rel	ating to all
hose co	ompounds is difficult to conduct. On the other hand, only a tiny fraction of the effection of the drug compositions of the inventions of claims 1 through 11 were supposed to the conduct.	orted by the
ompon specific	ation, as defined by the PCT Article 6, or disclosed in the specification, as defined	i by the PCT
مُ مُأَمِّنَاهِ ٨	🗲 en la filologia de la companya del companya de la companya del companya de la	
TÎ	herefore, claims 1 through 11 and the specification do not meet the prescribed requestions a meaningful international search.	uirements to
'Δ'	ecordingly in the previous international search report, the search of prior art doct	ments
was con	aducted, within a reasonable burden range, based on the compounds specifically d	escribed
in the sp	pecification with respect to the inventions of claims 1 to 11. For this reason, the tional preliminary examination was conducted within this search range.	•
шистиас	monar premimary examination was conducted writing and comments	
	the claims or said claims Nos 1-11 are so inadequately s	upported
\boxtimes	the claims, or said claims Nos are so inadequately st by the description that no meaningful opinion could be formed.	
\boxtimes	no international search report has been established for said claims Nos. 12 part of 11	<u> </u>
2. A mea	aningful international preliminary examination cannot be carried out due to the failure of the nucleotide a nee listing to comply with the standard provided for in Annex C of the Administrative instructions:	nd/or amino acid
	the written form has not been furnished or does not comply with the standard.	
	the computer readable form has not been furnished or does not comply win the standard.	



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Claims	8, 9	YES
Claims	1-7, 10, 11	NO
~1		YES
•	The state of the s	NO
Claims		•
Clāims	1-11	YES
Claims		NO
	•	_
	Claims Claims Claims Claims	Claims Claims Claims 1-7, 10, 11 Claims 1-11 Claims 1-11

2. Citations and explanations

Document 1: WO, 99/65449, A2 (Smithkline Beecham Corporation), 23 December, 1999. Document 2: WO, 99/55663, A1 (Vertex Pharmaceuticals Incorporated), 04 November, 1999.

Document 3: WO, 01/98290, A& (Pharmacia & Upjohn S.P.A.), 27 December, 2001.

<Based on document 1>

The inventions of claims 1-5, 7 do not appear to possess novelty or involve an inventive step based on document 1 cited in the ISR.

Document 1 describes that the compound (HO)(R_A)Ph-CONH-Ph(R_B) represented by Formula demonstrates an efficacious effect against cancer.

Changing some of the substitution groups in the compound of Formula I within a range of analogs with the object of providing compounds that are similarly effective against cancer could have been easily arrived at by a person skilled in the art.

<Based on document 2>

The inventions of claims 1-4, 6, 7 do not appear to possess novelty or involve an inventive step based on document 2 cited in the ISR. Further, the inventions of claims 8 and 9 do not appear to involve an inventive step based on the same document 2.

Document 2 describes that the compound represented by the formula (hydroxynaphthalene ring)-CONH-(Ph substituted with CF₃ or the like) is effective as an antitumor agent.

Changing some of the substitution groups within a range of analogs with the object of providing compounds that are similarly effective as antitumor agents could have been easily arrived at by a person skilled in the art.

<Based on document 3>

The inventions of claims 1-6, 10, and 11 do not appear to possess novelty or involve an inventive step based on document 2 cited in the ISR.

Document 3 describes that the compound represented by the formula (HO)Ph-CONH-(substituted heteroaryl) is effective as an antitumor agent.

Changing some of the substitution groups within a range of analogs with the object of providing compounds that are similarly effective as antitumor agents could have been easily arrived at by a person skilled in the art.



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VI. Certain documents cited

1. Certain published documents (Rule 70.10)

Application No. Patent No.	Publication date (day/month/year)	Filing date (day/month/year)		Priority date (valid claim) (day/month/year)	
WO 02/49632 A1	27.06.02	18.12.01		18.12.00	
(Institute of Medicinal Molecular Design Inc.)				•	
[E, X]	•	and the state of	• • • •	•	
WO 02/076918 A1	03.10.02	27.03.02		27.03.01	
(Suntory Ltd.)				•	
[E, X]	·				

2. Non-written disclosures (Rule 70.9)

Kind of non-written disclosure

Date of non-written disclosure (day/month/year)

Date of written disclosure referring to non-written disclosure (day/month/year)